

## LOAM & SEED DETAIL

NOT TO SCALE

INTERNATIONAL BARRIER-FREE SYMBOL  
NOT TO SCALE

PAVEMENT SAW CUT  
NOT TO SCALE

CONCRETE PAD / ASPHALT INTERFACE

TYPICAL CULVERT INLET & OUTLET DETAIL

NOT TO SCALE

**NOTES**

- 1) COMPACT GRAVEL SUBBASE, BASE COURSE TO 95% OF THEIR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557.
- 2) HOT MIX ASPHALT PAVEMENT MUST BE COMPACTED TO 92%-93% OF ITS THEORETICAL MAXIMUM DENSITY AS DETERMINED BY ASTM D-1594.
- 3) A TACK COAT MUST BE USED BETWEEN SUCCESSIVE LIFTS OF BITUMINOUS PAVEMENT.
- 4) PROVIDE NON-FROST SUSCEPTIBLE COMPACTED FILL GRANULAR BORROW OR FRACTURED ROCK FILL BELOW PAVEMENT IN FILL AREAS.
- 5) CONTRACTOR SHALL SET GRADE STAKES MARKING SUBBASE AND FINISH GRADE ELEVATIONS FOR CONSTRUCTION REFERENCE.

**NOTES**

- 1) COMPACT SHIMMED/REGRADED GRAVEL BASE COURSE TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557.
- 2) HOT MIX ASPHALT PAVEMENT MUST BE COMPACTED TO 92%-93% OF ITS THEORETICAL MAXIMUM DENSITY AS DETERMINED BY ASTM D-2041.
- 3) A TACK COAT MUST BE USED BETWEEN SUCCESSIVE LIFTS OF BITUMINOUS PAVEMENT.
- 4) PROVIDE NON-FROST SUSCEPTIBLE COMPACTED FILL GRANULAR BORROW OR FRACTURED ROCK FILL BELOW PAVEMENT IN FILL AREAS.

REGULAR DUTY PAVEMENT (SHIM AREA)

NOT TO SCALE

ELEVATION

TIMBER GUARD RAIL SECTION

NOT TO SCALE

## PARKING LOT CONSTRUCTION SEQUENCE

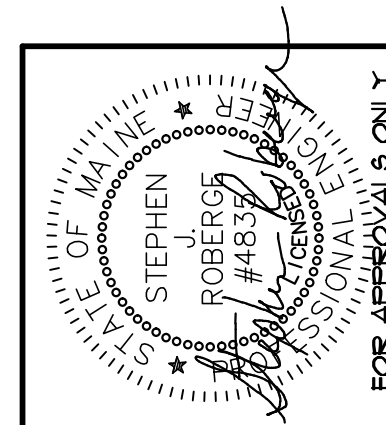
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## GENERAL NOTES

- 1) THE CONTRACT WORK SHALL BE PERFORMED ON THIS PROJECT CONSISTS OF FURNISHING ALL REQUIRED LABOR MATERIALS, EQUIPMENT, IMPLEMENTS, PARTS, AND SUPPLIES NECESSARY FOR, OR AFFILIANT TO, THE INSTALLATION OF CONSTRUCTION IMPROVEMENTS IN ACCORDANCE WITH THESE DRAWINGS AND AS FURTHER ELABORATED IN ANY ACCOMPANYING SPECIFICATIONS.
- 2) THE WORK SHALL BE PERFORMED IN A THOROUGH WORKMANLIKE MANNER. ALL CONTRACTORS ARE TO CONFORM TO ALL APPLICABLE OSHA STANDARDS, ANY REFERENCE TO A SPECIFICATION OR DESIGNATION OF THE AMERICAN SOCIETY FOR TESTING MATERIALS, FEDERAL SPECIFICATIONS, OR OTHER STANDARDS, CODES OR ORDERS, REFERS TO THE MOST RECENT OR LATEST SPECIFICATION OR DESIGNATION.
- 3) ALL CONSTRUCTION WITHIN THE CITY OF HALLOWELL, RIGHT OF WAY SHALL COMPLY WITH CITY PUBLIC WORKS, ALL CONSTRUCTION WITHIN A STATE RIGHT OF WAY SHALL COMPLY WITH MAINE DOT STANDARDS. ALL UTILITY CONSTRUCTION SHALL CONFORM TO RESPECTIVE UTILITY STANDARDS.
- 4) THE OWNER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS REQUIRED BY GOVERNMENT AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE CITY OF HALLOWELL, REQUIRED TO PERFORM ALL THE WORK (STREET OPENINGS, BUILDING PERMIT, ETC.). THE CONTRACTOR SHALL POST ALL BONDS AS REQUIRED, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
- 5) PRIOR TO CONSTRUCTION, THE SITE CONTRACTOR IS TO INFORM ALL AREA UTILITY COMPANIES AND GOVERNMENTAL AGENCIES OF PLANNED CONSTRUCTION. THE SITE CONTRACTOR IS REQUIRED TO CONTACT DIG-SAFE 1-800-328-4311 AT LEAST 3 BUSINESS DAYS PRIOR TO ANY EXCAVATION TO VERIFY SUBSURFACE AND OVERHEAD UTILITY LOCATIONS. ADDITIONAL CONTACTS INCLUDE (BUT ARE NOT LIMITED TO):  
CITY OF HALLOWELL - PUBLIC WORKS DEPARTMENT, TEL: 621-3933 ATTN: CHRIS BUICK  
WATER & SEWER, HALLOWELL WATER DISTRICT, 52 WINTHROP STREET, TEL: 621-9511  
TELEPHONE VERIZON - CABLE TV, THIS WIRELESS CABLE, ELECTRIC, CENTRAL MAINE POWER CO.  
BMY OPERATIONS MANAGER: CLAYTON SMITH, TEL: 281-6153.
- 6) THE PROJECT DRAWINGS ARE GENERALLY SCHEMATIC AND INDICATE THE POSSIBLE LOCATION OF EXISTING UNDERGROUND UTILITIES. INFORMATION ON EXISTING UTILITIES HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY COMPANY MAPS, MUNICIPAL RECORD MAPS, AND FIELD SURVEY. IT IS NOT GUARANTEED TO BE CORRECT OR COMPLETE. UTILITIES ARE TO BE LOCATED BY THE CONTRACTOR TO VERIFY PROPOSED LOCATIONS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES, INCLUDING SERVICES, WHEN THE SERVICES ARE TO BE LEFT IN PLACE. THE CONTRACTOR IS TO PROVIDE ADEQUATE MEANS OF SUPPORT AND PROTECTION DURING THE EXCAVATING AND BACKFILLING OPERATIONS. SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED UTILITIES BE FOUND, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER IMMEDIATELY FOR DIRECTIONS BEFORE PROCEEDING FURTHER WITH THE WORK IN THIS AREA.
- 7) DO NOT INTERRUPT EXISTING UTILITIES SERVICING THE PREMISES USED BY THE OWNER OR OTHERS DURING OCCUPIED HOURS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF UTILITIES AS REQUIRED BY THE OWNER AND CITY. INTERRUPTIONS SHALL ONLY OCCUR AFTER ACCEPTABLE TEMPORARY SERVICE HAS BEEN PROVIDED.
- 8) OSHA REGULATIONS MAKE IT UNLAWFUL TO OPERATE CRANES, BOOMS, HOISTS, ETC. WITHIN TEN FEET (10') OF ANY ELECTRIC LINE UNDER 50KV. IF THE CONTRACTOR MUST OPERATE CLOSER THAN 10', THE CONTRACTOR MUST CONTACT THE POWER COMPANY TO MAKE ARRANGEMENTS FOR PROPER SAFEGUARDS BEFORE ENCRoACHING ON THIS REQUIREMENT.
- 9) IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLANS, APPROVALS, AND DETAILS FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL VERIFY ALL THE SITE CONDITIONS IN THE FIELD AND CONTACT THE DESIGN ENGINEER IF THERE ARE ANY DISCREPANCIES REGARDING THE CONSTRUCTION DOCUMENTS AND/OR FIELD CONDITIONS SO THAT AN APPROPRIATE REVISION CAN BE MADE PRIOR TO BIDDING.
- 10) THE CONTRACTOR SHALL REFERENCE SITE PLANS OF RECORD FOR MORE INFORMATION ON EXISTING CONDITIONS.
- 11) ALTERNATE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED IN WRITING BY THE OWNER, DESIGN ENGINEER, AND APPROPRIATE GOVERNMENTAL AGENCY PRIOR TO INSTALLATION.
- 12) THE CONTRACTOR SHALL RESTORE ALL UTILITY STRUCTURES, PIPE, UTILITIES, PAVEMENT, CURBS, SIDEWALKS, AND LANDSCAPED AREAS DISTURBED BY CONSTRUCTION TO AS GOOD AS BEFORE BEING DISTURBED AS DETERMINED BY BMY OFFICIALS. ANY DAMAGES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 13) TRAFFIC CONTROL MEASURES SHALL BE UTILIZED IN ACCORDANCE WITH THE LATEST REVISION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). THE CONTRACTOR SHALL PROVIDE, MAINTAIN AND PROTECT TRAFFIC CONTROL DEVICES TO THE EXTENT REQUIRED BY LAW FOR THE PROTECTION OF THE PUBLIC CONSISTING OF DRUMS, BARRIERS, SIGNS, LIGHTS, AND/OR TRAFFIC CONTROL PERSONNEL. TRAFFIC CONTROL PERSONNEL AS REQUIRED OR ORDERED BY THE DESIGN ENGINEER OR CODE ENFORCEMENT PERSONNEL. THE CONTRACTOR SHALL MAINTAIN ALL TRAFFIC LANES AND PEDESTRIAN WALKWAYS AT ALL TIMES UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE CITY OF HALLOWELL. PAVEMENT MARKINGS SHALL BE FAST DRYING TYPE IN WHITE OR YELLOW. STOP STRIPES, TWELVE INCH (12") WIDE STOP BAR AND FOUR INCH (4") WIDE STRIPES SHALL BE LOCATED AS SHOWN ON THE PLANS.
- 14) THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ALL PRODUCT, MATERIALS AND PLANT SPECIFICATIONS TO THE OWNER AND DESIGN ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY TO THE SITE. ALLOW A MINIMUM OF 10 WORKING DAYS FOR REVIEW.
- 15) THE CONTRACTOR SHALL RETAIN AN INDEPENDENT TESTING LABORATORY FOR SOIL AND PAVEMENT TESTS AT CONTRACTOR COSTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS ASSOCIATED WITH ANY RECONSTRUCTION AND RE-TESTING OF UNSATISFACTORY SOILS OR PAVEMENT.
- 16) ALL EXCAVATION SHALL BE BACKFILLED TO EXISTING GRADE BEFORE THE END OF THE DAY OR ADEQUATELY PROTECTED FROM DANGER TO HUMANS AND ANIMALS.
- 17) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL FIELD LAYOUT. THE OWNER WILL PROVIDE A BASE LINE OR COORDINATES AND BENCHMARK AT THE CONSTRUCTION SITE FROM WHICH TO BEGIN LAYOUT.
- 18) THE CONTRACTOR SHALL FURNISH ELECTRICAL POWER, WATER, AND SANITARY FACILITIES FOR HIS EXCLUSIVE USE AT THE CONSTRUCTION SITE SHOULD THE CONTRACTOR DEEM THIS ESSENTIAL FOR THE PROPER PERFORMANCE OF THE CONTRACT.
- 19) WORK MAY PROGRESS MONDAY THROUGH SATURDAY 7:00 AM TO 7:00 PM. WORK ON OTHER TIMES MAY PROCEED UPON WRITTEN APPROVAL BY THE OWNER AND CITY.
- 20) THE CONTRACTOR SHALL GUARANTEE THE FAIRFUL REMEDY OF ANY DEFECTS DUE TO FAULTY MATERIALS OR WORKSMANSHIP AND GUARANTEE PAYMENT FOR ANY RESULTING DAMAGE WHICH SHALL APPEAR WITHIN A PERIOD OF ONE (1) YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OF THE PROJECT.
- 21) THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORDS OF ALL CONSTRUCTION (INCLUDING UNDERGROUND UTILITIES) TO THE OWNER AT THE END OF CONSTRUCTION.
- 22) A PRE-CONSTRUCTION CONFERENCE WITH THE OWNER, DESIGNERS, AND CONTRACTOR SHALL BE REQUIRED BEFORE ANY CONSTRUCTION BEGINS FOR ANY RESULT. DURING CONSTRUCTION, THERE SHALL BE WEEKLY PROGRESS MEETINGS WITH THE OWNER (ON-SITE OR TELECONFERENCE) UNTIL PROJECT COMPLETION.
- 23) PROPER IMPLEMENTATION AND MAINTENANCE OF EROSION CONTROL MEASURES ARE OF PARAMOUNT IMPORTANCE FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL EROSION CONTROL MEASURES SHOWN ON THE PLANS. ADDITIONAL EROSION CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTIONS OF THE OWNER, THEIR REPRESENTATIVES, OR STATE/LOCAL/FEDERAL INSPECTORS AT NO ADDITIONAL COST TO THE OWNER.
- 24) THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL RULES, REGULATIONS AND LAWS.
- 25) THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION OF ALL SITE IMPROVEMENTS WITHIN THE WORK AREA INCLUDING TRANSPORTATION AND TIPPING FEES AT A CITY-APPROVED LANDFILL OR DISPOSAL SITE.

### EROSION CONTROL NOTES

- 1) CULVERT INLET SEDIMENT FILTERS SHALL BE INSTALLED AT EACH CULVERT INLETS. SILT SACKS SHALL BE INSTALLED IN EACH CATCH BASIN AND A STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED AND MAINTAINED AS REQUIRED IN THE EROSION & SEDIMENTATION CONTROL NARRATIVE.
- 2) INSTALL SILT FENCE ON THE DOWNSLOPE SIDE OF CONSTRUCTION.
- 3) ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE STABILIZED (HAY MULCH) WITHIN 14 DAYS.  
(7 CALIF. AGR. DIVISIONS IN A LAKE WATERSHED OR DURING WINTER CONSTRUCTION) OR PRIOR TO A SIGNIFICANT RAINFALL EVENT IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES (BMPs).
- 4) INSTALL EROSION CONTROL BLANKETS ON ALL SURFACES WITH STEEP SLOPES (GREATER THAN 3:1V). ANCHOR BLANKETS TO MANUFACTURER'S SPECIFICATIONS. AREAS THAT RECEIVE HAY MULCH SHALL BE SPREAD AT A RATE OF 150 POUNDS PER 1000 SQUARE FEET DURING WINTER CONSTRUCTION.
- 5) SITE INSPECTION & MAINTENANCE DURING CONSTRUCTION: WEEKLY INSPECTIONS, AS WELL AS ROUTINE INSPECTIONS FOLLOWING RAINFALLS, SHALL BE CONDUCTED BY THE GENERAL SITE CONTRACTOR OF ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES UNTIL FINAL ACCEPTANCE OF THE PROJECT (85% GRASS CATCH); NECESSARY REPAIRS SHALL BE MADE TO MAINTAIN THE EROSION CONTROL MEASURES. FINAL INSPECTION SHALL INCLUDE A SITE INSPECTION TO VERIFY THE STABILITY OF ALL DISTURBED AREAS AND SLOPES. UNTIL FINAL INSPECTION, ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL IMMEDIATELY BE CLEANED AND REPAIRED BY THE GENERAL CONTRACTOR AS REQUIRED. DISPOSAL OF ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- 6) MAINTENANCE AGREEMENT: SHORT-TERM SEDIMENTATION MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR (TO CLEAN OUT ALL SWALES AND STRUCTURES) PRIOR TO TURNING PROJECT OVER TO THE OWNER. AFTER PROJECT TURNOVER, THE CONTRACTOR'S UNDERLYING RESPONSIBILITY FOR INSPECTION AND THE PROPER FUNCTIONING OF ALL STORMWATER CONVEYANCE FACILITIES AND MEASURES. THE OWNER MAY ASSIGN AN ENVIRONMENTAL MANAGER TO CARRY OUT SPECIFIC TASKS IDENTIFIED BELOW.
- 7) SEDIMENT REMOVAL: REMOVE ACCUMULATED DEBRIS AND SEDIMENTS FROM THE SEDIMENT FOREBAYS, INLET PLUNGE POOLS, AND PRE-TREATMENT BMPs AT LEAST ANNUALLY.
- 8) DITCHES/SWALES: OPEN SWALES AND DITCHES NEED TO BE INSPECTED ON A MONTHLY BASIS OR AFTER A MAJOR RAINFALL EVENT TO ENSURE THAT DEBRIS OR SEDIMENTS DO NOT REDUCE THE EFFECTIVENESS OF THE SYSTEM. DITCHES NEEDS TO BE REMOVED AT THAT TIME. ANY SIGN OF EROSION OR BLOCKAGE SHALL BE IMMEDIATELY REPAIRED TO ENSURE A VIGOROUS GROWTH TO VEGETATION FOR THE STABILITY OF THE STRUCTURE AND PROPER FUNCTIONING.
- 9) VEGETATED DITCHES: VEGETATIVE AREAS SHOULD BE MOVED AT LEAST MONTHLY DURING THE GROWING SEASON TO A HEIGHT OF 10 INCHES ABOVE THE GROUND SURFACE. THE SURFACE SHOULD BE ALLOWED TO BECOME ESTABLISHED IN THE CHANNEL UNLESS FINELY MULCHED. CLIPPINGS SHOULD BE REMOVED TO MINIMIZE THE AMOUNT OF ORGANIC MATERIAL ACCUMULATING IN THE SWALES. ANY AREAS WHERE THE VEGETATION FAILS WILL BE SUBJECT TO EROSION AND SHOULD BE REPAIRED AND REVEGETATED.
- 10) CULVERTS: IF SEDIMENT IN CULVERTS OR PIPED DRAINAGE SYSTEMS EXCEEDS 20% OF THE DIAMETER OF THE PIPE, IT SHOULD BE REMOVED. THIS MAY BE ACCOMPLISHED BY MECHANICAL MEANS OR HYDRAULIC FLUSHING. CARE SHOULD BE TAKEN TO PREVENT RELEASE OF THE SEDIMENTS INTO THE DOWNSTREAM RECEIVING AREAS. ALL PIPES SHOULD BE INSPECTED ON AN ANNUAL BASIS.
- 11) CATCH BASIN/FIELD NLETS: ALL CATCH BASINS, AND ANY OTHER FIELD INLETS THROUGHOUT THE COLLECTION SYSTEM, NEED TO BE INSPECTED ON A MONTHLY BASIS TO ENSURE THAT THE INLET ENTRY POINT IS CLEAR OF DEBRIS AND WILL ALLOW THE INTENDED WATER ENTRY. AT THAT TIME, THESE WILL BE CLEARED IF NECESSARY. ON A YEARLY BASIS, OR WHEN SEDIMENT REACHES TWO THIRDS OF THE TOTAL VOLUME, CATCH BASINS NEED TO BE VACUUMED AND CLEANED OF ALL ACCUMULATED DEBRIS. DEBRIS SHOULD BE LOADED INTO A TRUCK. THE REMOVED MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH STATE OF MAINE SOLID WASTE DISPOSAL RULES.

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